From the INTERNATIONAL PRELIMINAR

AMINING AUTHORITY



PCT

Zacco Norway AS P.O. Box 765, Sentrum N-0106 Oslo Norge

WRITTEN OPINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

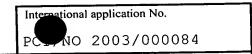
Norge .	(PCT Rule 66)		
	Date of mailing (day/month/year) 0 9 -63- 2004		
Applicant's or agent's file reference E27757 RLI/JOB	REPLY DUE within 60 days from the above date of mailing		
International application No. International filing da	te (day/month/year) Priority date (day/month/year)		
PCT/NO 2003/000084 11.03.2003	14.03.2002		
International Patent Classification (IPC) or both national classific	eation and IPC		
A23K 1/00, C11B 5/00, A23D 9/06			
Applicant .			
Norsk Hydro ASA et al			
	O. A.		
1. The written opinion established by the International			
is considered to be a written opinion of the Internation	is not		
	ains indications relating to the following items:		
Box No. I Basis of the opinion			
Box No. II Priority			
Box No. III Non-establishment of opinion with t	regard to novelty, inventive step and industrial applicability		
Box No. IV Lack of unity of invention			
Box No. V Reasoned statement under Rule 66.2 citations and explanations supporting	2(a)(ii) with regard to novelty, inventive step or industrial applicability; g such statement		
Box No. VI Certain documents cited			
Box No. VII Certain defects in the international a	application		
Box No. VIII Certain observations on the internat	ional application		
3. The applicant is hereby invited to reply to this opinion.			
grant an extension, see Rule 66.2(e).	nt may, before the expiration of that time limit, request this Authority to		
How? By submitting a written reply, accompanied, where the form and the language of the amendment	nere appropriate, by amendments, according to Rule 66.3. hts, see Rules 66.8 and 66.9.		
Also For the examiner's obligation to consider amen For an informal communication with the exami For an additional opportunity to submit amendr	ner, see Rule 66.6. nents, see Rule 66.4.		
If no reply is filed, the international preliminary examina	ation report will be established on the basis of this opinion.		
The final date by which the international preliminary report (Chapter II of the PCT) must be established according to R	t on patentability ule 69.2 is: 14.07.2004		

Name and mailing address of the IPEA/SE	Authorized officer
Patent- och registreringsverket	
Box 5055	
S-102 42 STOCKHOLM	Per Renström/EÖ
Facsimile No. 46 8 667 72 88	Telephone No. 46 8 782 25 00

Form PCT/IPEA/408 (cover sheet) (January 2004)

Box	No. I	Bas	sis of the opinion		
1.	With re	egard to	the language , this opinion has been established on the basis of the international application in the language in led, unless otherwise indicated under this item.		
		This opi	inion is based on a translation from the original language into the following language, sthe language of a translation furnished for the purposes of:		
			international search (under Rules 12.3 and 23.1(b))		
-		Ħ	publication of the international application (under Rule 12.4)		
-	_		international preliminary examination (under Rules 55.2 and/or 55.3)		
2.	which	egard to have be nally file	the elements of the international application, this opinion has been established on the basis of (replacement sheet, en furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as ad."):		
-	\boxtimes	the inte	ernational application as originally filed/furnished		
		the des	scription:		
-		pages	as originally filed/furnished		
		pages	received by this Authority on		
		pages	received by this Authority on		
		the cla			
		pages	as originally filed/furnished		
		pages	as amended (together with any statement) under Article 19		
		pages	received by this Authority on		
		pages	received by this Authority on		
		the dra	awings:		
		pages	as originally filed/furnished		
		pages	received by this Authority on		
		pages	received by this Authority on		
		a sequ	ence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.		
3.		The ar	mendments have resulted in the cancellation of:		
			the description, pages		
			the claims, Nos.		
		\sqcap	the drawings cheets/figs		
		Ħ	the sequence listing (specify):		
			any table(s) related to the sequence listing (specify):		
4.		This o	opinion has been established as if (some of) the amendments had not been made, since they have been considered to your the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).		
			the description pages		
		H	the description, pages		
		片	the claims, Nos.		
		님	the drawings, sheets/figs		
		닏	the sequence listing (specify):		
			any table(s) related to the sequence listing (specify):		
1					

WRITE PINION OF THE INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY



Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
The questions applicable hav	whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially we not been examined in respect of:
the	entire international application
clair	ms Nos. 1-6
because:	
the rela	said international application, or the said claims Nos. te to the following subject matter which does not require an international preliminary examination (specify):
-	
are	description, claims or drawings (indicate particular elements below) or said claims Nos. 1-6 so unclear that no meaningful opinion could be formed (specify): OX VIII.
	the description that no meaningful opinion could be formed.
	international search report has been established for said claims Nos. e nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the
Ad	Iministrative Instructions in that:
tne	has not been furnished does not comply with the standard
the	has not been furnished does not comply with the standard
the the	e tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in the Annex C-bis of the Administrative Instructions.
Se Se	ee Supplemental Box for further details.
J	

WRITT INTERNATIONAL PRE	PINION OF NARY EXAM	THE INING AUTHORITY	PC 10 2003/000084		
Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
. Statement					
Novelty (N)	Claims Claims	1-6	No_		
-					
Inventive step (IS)	Claims Claims	1-6	No_		
Industrial applicability (IA)	Claims				
•	Claims				
Relevant documents					
D1: WOOO01249 (P9)	806, NY	eperdo-1)	dized lipids in diets		
D2: W00146355 (p96	103, Ne	eperdo-2)	dized linids in diets		
on the developr	ment of	rainbow trout	fry syndrome"; Journal		
of Fish Disease	es, 23,	1 (January 200	00), pages 7-14.		
D4: Olsen R.E. et al; "The influence of temperature, de polyunsaturated fatty acids, α-tocopherol and sperm					
fatty acid com	oosition	and indices of	of oxidative stress in		
juvenile Arctic	c char,	Salvelinus alp	oinus (L.)"; Fish		
Physiology and 13-29.	Biochem	nistry, 20, 1	(January 1999), pages		
			nal factors on the		

The present claims 1-6 have not been searched or examined completely. For further information regarding incomplete search and examination, see Box No. VIII.

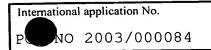
review"; Aquaculture and fisheries management, 25 (1994),

The present application relates to a feed for marine species, which feed comprises proteins, lipids and optional components, and is characterized in that the lipids are one or more marine oils and/or vegetable oils treated by urea and/or other amines or amides, to prevent oxidative degradation.

D1 (page 1, lines 10-12; page 2, lines 4-10; page 3, lines 1-9; Examples; Amended Claims 1 and 8, pages 16-17) and D2 (page 1, lines 10-17; page 3, lines 8-9; page 4, lines 5-7; Examples; Claims 1, 10 and 13, pages 11-12) describe methods for .../...

pages 175-197.

WRIT OPINION OF THE INTERNATIONAL PRESENTED NARY EXAMINING AUTHORITY



Supplemental Box

In case the space in any of the preceding boxes is not sufficient. Continuation of: \ensuremath{V} .

-stabilising vegetable and animal oils against oxidation of fat components and/or pigments in the oils by treatment with urea -(D1) and/or other amines or amides (D2). The documents also describe feeds for salmonids comprising proteins, lipids, pigments and optional components, which feeds are characterized in that the lipids are one or more marine oils and/or vegetable oils treated by urea (D1) and/or other amines or amides (D2).

Since the present claims do not exclude the presence of pigments in the feed, the invention according to claims 1-6 lacks novelty with regard to D1 and D2, taken separately. Regardless of this, since D1 and D2 not only concern protection of the pigments but also of the oils themselves, the invention according to claims 1-6 is considered to lack an inventive step with regard to D1/D2.

Furthermore attention is directed towards D3-D5, decribing the negative influence of dietary lipid oxidation on fish health.

Box No. VIII Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Present claims 1 - 6 relate to an extremely large number of possible compounds. Support within the meaning of Article 6 PCT and / or disclosure within the meaning of Article 5 PCT is to be found for only a very small proportion of the compounds to which the present claims relate. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible.

Consequently, the search and examination has been carried out only for those parts of the claims which appear to be supported and disclosed, namely those parts related to urea and the amines and amides in WO0146355 (page 5, Table 1), namely: allylurea, hexylamine, N-ethyldiisopropylamine, N,N'-dimethylurea, Oxamide and butyramide.